

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-10 (Canceled).

Claim 11 (New): A substrate processing apparatus comprising:

a processing vessel that defines a processing space therein;

a heater portion that heats a substrate introduced into the processing space to a predetermined temperature;

a transparent case made of quartz, the transparent case including a cylinder portion and a top plate for containing the heater portion;

a heater plate mounted on the top plate of the transparent case; and

a holding member for holding the substrate at a position spaced from and opposite to the heater plate.

Claim 12 (New): The substrate processing apparatus as claimed in claim 11, further comprising:

a depressurizing part for depressurizing an internal space of the processing vessel and an internal space of the transparent case at a same time.

Claim 13 (New): The substrate processing apparatus as claimed in claim 11, further comprising:

a heat reflecting member provided below the heating element for upwardly reflecting heat from the heating element.

Claim 14 (New): The substrate processing apparatus as claimed in claim 13, wherein the heat reflecting member is clamped below the heating element in an opposing state.

Claim 15 (New): The substrate processing apparatus as claimed in claim 11, further comprising:

a gas injection part for injecting a gas from one side of the processing vessel to the substrate held by the holding member; and

an evacuation port provided at another side of the processing vessel for evacuating the gas passed through the substrate.

Claim 16 (New): The substrate processing apparatus as claimed in claim 11, further comprising:

an ultraviolet source for irradiating ultraviolet rays to the processing space.

Claim 17 (New): The substrate processing apparatus as claimed in claim 16, wherein the ultraviolet source is arranged to irradiate ultraviolet rays to an area half of the processing space.

Claim 18 (New): The substrate processing apparatus as claimed in claim 11, wherein the transparent case includes a support bridge portion extending across the inside of the cylinder portion.